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PATENT APPLICATION
Docket No: 15689.79

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Motohiro TANNO et al.

Serial No.: 09/954,956

Filing Date: September 18, 2001

Confirmation No.: 8525

For: Cell Search Method and Apparatus for Mobile
Station in Mobile Communication SystemArt Unit
2681REVOCATION AND SUBSTITUTE POWER OF ATTORNEYHonorable Commissioner of Patents
and Trademarks
Washington, DC 20231

Sir:

The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignments recorded in the United States Patent Office at Reel 012179, Frame 0160, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:

**022913**

PATENT TRADEMARK OFFICE

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

Yoshitaro Shimanuki
Intellectual Property Executive Manager
NTT DoCoMo, Inc.
11-1, Nagatacho 2-Chome
Chiyoda-Ku
Tokyo 100-6150, Japan

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3815/131

NOVEMBER 26, 2001

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
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RECORDATION DATE: 09/18/2001

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
TANNO, MOTOHIRO

DOC DATE: 09/11/2001

ASSIGNOR:
NAKAMURA, TAKEHIRO

DOC DATE: 09/11/2001

ASSIGNEE:
NTT DOCOMO, INC.
11-1, NAGATACHO 2-CHOME, CHIYODA-
KU
TOKYO, JAPAN 100-6150

SERIAL NUMBER: 09954956
PATENT NUMBER:

FILING DATE: 09/18/2001
ISSUE DATE:

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
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09-25-2001

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09/25/01
09/19/011. Name of conveying party(ies):
Motohiro TANNO and Takehiro NAKAMURAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: NTT DoCoMo, Inc.

Internal Address:

09/954956

Street Address: 11-1, Nagatacho 2-chome,
Chiyoda-kuCity: Tokyo Country: JAPAN ZIP: 100-6150Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: September 11, 2001

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: Sept. 18, 2001

A. Patent Application No.(s)

B. Patent No.(s)

20/2001 E LURES 00000038 09954956

FC:581

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Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document should be
mailed:BROWN RAYSMAN MILLSTEIN FELDER &
STEINER LLP

900 Third Avenue

New York, New York 10022
(212) 895-20006. Total number of applications and patents
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Ralph F. Hoppin, Reg. No. 38,494

Ralph F. Hoppin

9-18-01

Name of Person Signing

Signature

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Box Assignments

Washington, D.C. 20231

Express Mail No. EL920617717US

* Docket No. 38151 131

ASSIGNMENT

WHEREAS, we, 1) Motohiro TANNO, and 2) Takehiro NAKAMURA

a citizen of Japan,

residing at 1) 105-4-307, Kasumigaoka, Nishi-ku, Yokohama-shi, Kanagawa 220-0035, Japan,
2) 4-18-4-1103, Nobi, Yokosuka-shi, Kanagawa 229-0841, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)")
disclosed in an application for Letters Patent of the United States titled

CELL SEARCH METHOD AND APPARATUS FOR MOBILE STATION IN MOBILE COMMUNICATION
SYSTEM

(hereinafter referred to as "said application"), said application having been executed on
even date herewith or filed on _____ and assigned application
Serial No. _____

WHEREAS, NTT DoCoMo, Inc.,
(hereinafter together with its successors and assigns referred to as "the Assignee"), a
Japanese corporation, having a place of business at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and
said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all
right, title and interest in, to and under said invention(s) and said application, including
the right to apply for any Letters Patent of the United States of America and in any and all
foreign countries on said invention(s), and any and all other applications for Letters Patent
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,
continuation, continuation-in-part and convention applications based in whole or in part
upon said invention(s) or upon said application, and any and all Letters Patent which may
issue thereon in the United States and foreign countries, and any and all reissues,
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent
granted for said invention(s) or upon said applications, to the full term or terms for which
said Letters Patent may be issued, and every priority right that is or may be predicated
upon or arise from said invention(s), said application and said Letters Patent, the same to
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the
same would have been held and enjoyed by us had this Assignment not been made. We
hereby authorize the Assignee to file patent applications in any and all countries on any or

- 1 -

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Express Mail No. EL92063737US

Docket No. 3815/131

all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the United States, and any official of any other country empowered to issue patents, to record this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: September 11, 2001

Motohiro Tanno
(Signature) Motohiro TANNO

Date: September 11, 2001

Takchiro Nakamura
(Signature) Takchiro NAKAMURA

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